

Plug-in relay complete unit 2 W, 24 V AC LED module red Standard plug-in socket screw terminal



Product brand name	SIRIUS
Product designation	Coupling relay with plug-in relay
Product type designation	LZS

General technical data	
Display version LED	Yes
Percental drop-out voltage related to the input voltage	15 %
Protection class IP	IP20
Switching behavior	monostable
Design of the switching function	changeover switch
Design of the switching function positively driven	No
Mechanical service life (switching cycles)	
• typical	5 000 000
Electrical endurance (switching cycles)	
• at AC-15 at 230 V typical	80 000
Thermal current	8 A
Reference code acc. to DIN EN 81346-2	K

Control circuit/ Control	
Control supply voltage at AC	

<ul style="list-style-type: none"> • at 50 Hz rated value • at 60 Hz rated value 	<p>24 V</p> <p>24 V</p>
Control supply voltage frequency <ul style="list-style-type: none"> • 1 rated value • 2 rated value 	<p>50 Hz</p> <p>60 Hz</p>
Supply voltage frequency for auxiliary and control current circuit rated value	<p>50 ... 60 Hz</p>
Operating range factor control supply voltage rated value at AC at 50 Hz <ul style="list-style-type: none"> • initial value • Full-scale value 	<p>0.9</p> <p>1.1</p>
Operating range factor control supply voltage rated value at AC at 60 Hz <ul style="list-style-type: none"> • initial value • Full-scale value 	<p>0.9</p> <p>1.1</p>
Design of the relay operating mechanism	<p>poled</p>
Product component Plug-in socket	<p>Yes</p>
Design of the snap-on socket base	<p>Standard socket</p>

Short-circuit protection

Design of the fuse link <ul style="list-style-type: none"> • for short-circuit protection of the auxiliary switch required 	<p>fuse gG: 10 A</p>
--	----------------------

Auxiliary circuit

Type of switching contact	<p>Changeover contact</p>
Material of switching contacts	<p>AgNi 90/10</p>
Number of NC contacts for auxiliary contacts	<p>0</p>
Number of NO contacts for auxiliary contacts	<p>0</p>
Number of CO contacts <ul style="list-style-type: none"> • for auxiliary contacts 	<p>2</p>

Main circuit

Type of voltage	<p>AC</p>
------------------------	-----------

Display

Display version <ul style="list-style-type: none"> • as status display by LED 	<p>LED red</p>
---	----------------

Connections/ Terminals

Product function <ul style="list-style-type: none"> • removable terminal 	<p>No</p>
Type of electrical connection	<p>screw-type terminals</p>
Type of connectable conductor cross-sections <ul style="list-style-type: none"> • solid • finely stranded with core end processing 	<p>1x (1,0 ... 2,5), 2x 1,0, 2x 1,5, 2x 2,5</p> <p>1x (1.0 ... 1.5), 2x 1.0, 2x 1.5</p>

• at AWG conductors solid	1x (18 ... 14), 2x 18, 2x 16, 2x 14
Connectable conductor cross-section	
• solid	1 ... 2.5 mm ²
• finely stranded with core end processing	1 ... 1.5 mm ²
AWG number as coded connectable conductor cross section	
• solid	18 ... 14
Tightening torque	
• with screw-type terminals	0.5 ... 0.7 N·m

Installation/ mounting/ dimensions

Mounting position	any
Mounting type	snap-on mounting
Height	71 mm
Width	15.5 mm
Depth	78 mm
Required spacing	
• with side-by-side mounting	
— forwards	0 mm
— Backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
• for grounded parts	
— forwards	0 mm
— Backwards	0 mm
— upwards	0 mm
— at the side	0 mm
— downwards	0 mm
• for live parts	
— forwards	0 mm
— Backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm

Certificates/ approvals

General Product Approval	Declaration of Conformity	other
---------------------------------	----------------------------------	--------------



[Miscellaneous](#)

[Confirmation](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=LZS:RT4A4R24>

Cax online generator

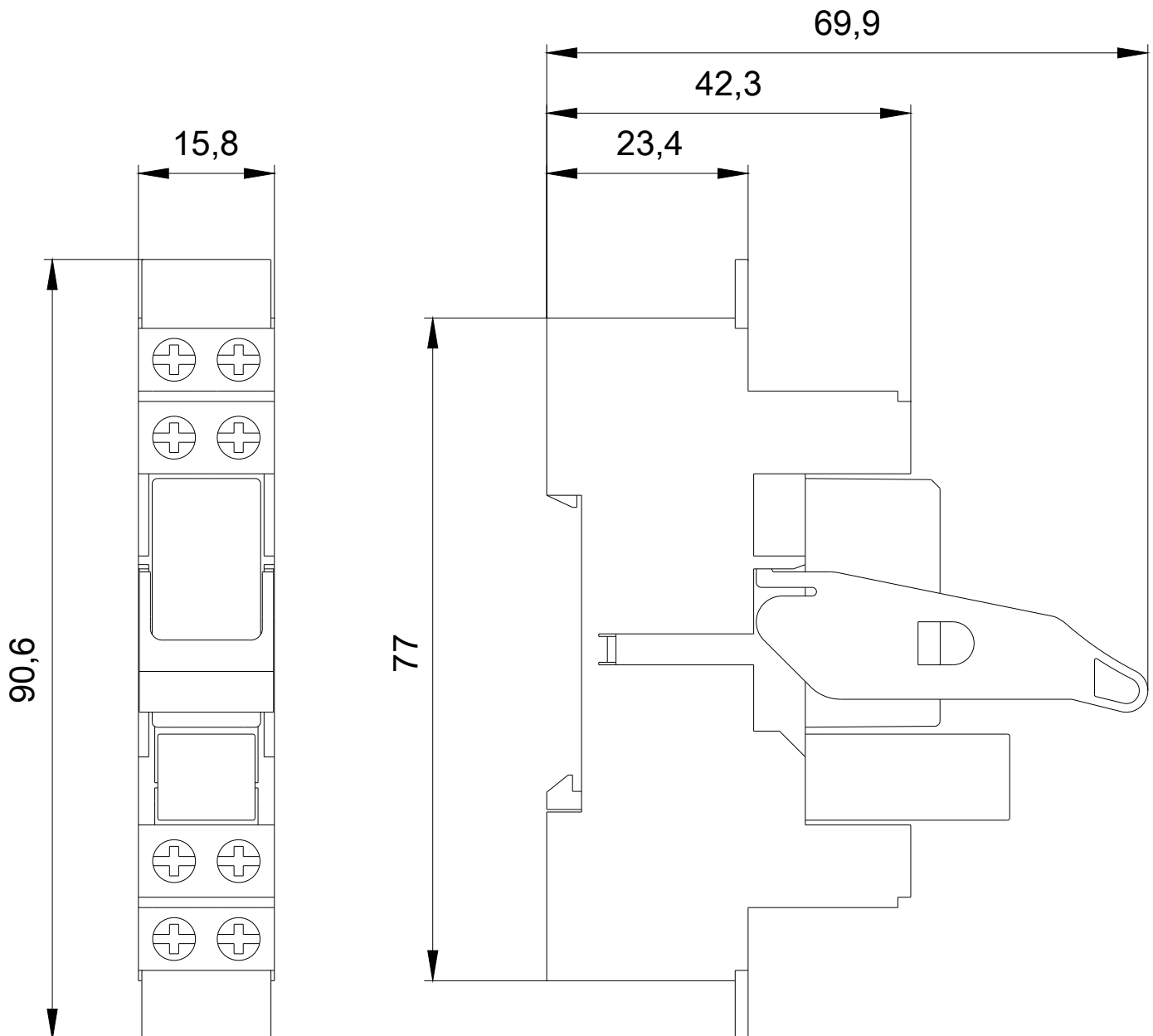
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=LZS:RT4A4R24>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/LZS:RT4A4R24>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=LZS:RT4A4R24&lang=en



last modified:

04/02/2020